

UNIVERSITY OF ALBERTA LIBRARY



0 1620 0562 5460

**EUB**

# Alberta Oil Sands

## Annual Statistics for 1995

UNIVERSITY OF ALBERTA

NOV 18 1996

SCIENCE LIBRARY

HD  
9574  
C23  
A3  
A27  
v.13  
1995

SCI/TECH

**Alberta Energy and Utilities Board**



EX LIBRIS  
UNIVERSITATIS  
ALBERTÆNSIS

---

# **Alberta Oil Sands**

**Annual Statistics for 1995**

# **ALBERTA ENERGY AND UTILITIES BOARD**

Annual Statistical Series 96-43

**Volume 13, October 1996**

**Published by:**

Alberta Energy and Utilities Board  
640 5 Avenue SW  
Calgary, Alberta  
T2P 3G4

Telephone: (403) 297-8190

Fax: (403) 297-7336

**NOTE:** As of 15 February 1995, the Energy Resources Conservation Board (ERCB) and Public Utilities Board merged to form the Alberta Energy and Utilities Board (EUB).



## Table of Contents

Annual 1995	Page
Supply and Disposition of	
Synthetic Crude Oil <sup>1</sup> .....	2
Other Hydrocarbons <sup>2</sup> .....	4
Coke .....	6
Sulphur <sup>3</sup> .....	8
Bitumen .....	10
Distillate <sup>4</sup> .....	12

## Historical 1967 - 1995

Oil Sands Mining and Processing .....	16
Supply and Disposition of	
Synthetic Crude Oil <sup>1</sup> .....	18
Other Hydrocarbons <sup>2</sup> .....	20
Coke .....	22
Sulphur <sup>3</sup> .....	24
Bitumen .....	26
Distillate <sup>4</sup> .....	28

Note: Inquiries regarding this publication should be directed to the EUB's Oil Sands Department at 297-2399.

## Standard of Measurements

1. Grade: Mass per cent bitumen in oil sands.
2. Gas volume at 101.325 kPa and 15°C.
3. Liquid volume at 15°C.

- 
- 1 Synthetic crude oil production does not include naphtha production.
  - 2 Other hydrocarbons production includes light slop material.
  - 3 Sulphur production includes flared/waste.
  - 4 Distillate production does not include heavy fuel oil.



**Annual  
1995**



## Synthetic Crude Oil (cubic metres)

	January	February	March	April	May
<b>Suncor</b>					
Opening Inventory	86 800.7	76 149.0	77 095.1	70 926.7	96 663.8
Production	340 218.4	324 150.1	338 634.9	331 591.4	320 198.6
	427 019.1	400 299.1	415 730.0	402 518.1	416 862.4
Closing Inventory	76 149.0	77 095.1	70 926.7	96 663.8	84 244.5
	350 870.1	323 204.0	344 803.3	305 854.3	332 617.9
Site Fuel / Use	3 307.8	2 941.0	3 559.9	3 152.1	3 794.0
Flared / Waste	0.0	0.0	0.0	0.0	0.0
Alberta Fuel	54 560.6	54 963.5	46 192.6	45 822.2	47 719.4
Metering Difference	24.5	81.4	( 268.7)	( 230.1)	( 74.5)
Deliveries	292 977.2	265 218.1	295 319.5	257 110.1	281 179.0
	350 870.1	323 204.0	344 803.3	305 854.3	332 617.9

## Syncrude

Opening Inventory	18 864	27 240	19 500	47 931	112 899
Production	1 008 864	761 759	704 156	1 074 141	951 980
	1 027 728	788 999	723 656	1 122 072	1 064 879
Closing Inventory	27 240	19 500	47 931	112 899	47 058
	1 000 488	769 499	675 725	1 009 173	1 017 821
Site Fuel / Use	6 546	6 045	7 190	7 933	15 611
Metering Difference	( 15)	14	( 51)	( 117)	119
Deliveries	993 957	763 440	668 586	1 001 357	1 002 091
	1 000 488	769 499	675 725	1 009 173	1 017 821



June                  July                  August                  September                  October                  November                  December                  1995

84 244.5	93 644.4	89 508.0	66 989.4	55 841.1	62 165.4	67 190.4	86 800.7
351 194.3	343 766.9	311 740.6	306 648.4	315 754.1	325 869.8	357 188.0	3 966 955.5
435 438.8	437 411.3	401 248.6	373 637.8	371 595.2	388 035.2	424 378.4	4 053 756.2
93 644.4	89 508.0	66 989.4	55 841.1	62 165.4	67 190.4	102 412.6	102 412.6
341 794.4	347 903.3	334 259.2	317 796.7	309 429.8	320 844.8	321 965.8	3 951 343.6

3 245.5	2 788.0	3 276.9	4 856.1	3 623.2	3 572.4	2 706.3	40 823.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 043.9	47 642.3	46 907.9	44 347.4	48 934.3	38 340.7	40 204.1	564 678.9
( 41.3)	( 117.1)	( 75.8)	( 124.1)	( 51.1)	109.0	34.7	( 733.1)
289 546.3	297 590.1	284 150.2	268 717.3	256 923.4	278 822.7	279 020.7	3 346 574.6
341 794.4	347 903.3	334 259.2	317 796.7	309 429.8	320 844.8	321 965.8	3 951 343.6

47 058	84 882	76 394	120 972	88 664	79 606	85 247	18 864
1 111 873	1 060 366	1 075 724	1 045 510	1 048 313	1 043 480	998 397	11 884 563
1 158 931	1 145 248	1 152 118	1 166 482	1 136 977	1 123 086	1 083 644	11 903 427
84 882	76 394	120 972	88 664	79 606	85 247	56 243	56 243
1 074 049	1 068 854	1 031 146	1 077 818	1 057 371	1 037 839	1 027 401	11 847 184

8 579	7 800	13 536	12 089	6 682	5 326	7 106	104 443
( 68)	15	( 80)	58	16	( 9)	52	( 66)
1 065 538	1 061 039	1 017 690	1 065 671	1 050 673	1 032 522	1 020 243	11 742 807
1 074 049	1 068 854	1 031 146	1 077 818	1 057 371	1 037 839	1 027 401	11 847 184



## Other Hydrocarbons (cubic metres)

	January	February	March	April	May
<b>Suncor</b>					
<b>Diluent Naphtha</b>					
Opening Inventory	46 116.6	39 138.1	37 335.4	37 827.2	35 785.2
Production	13 913.8	12 735.7	14 018.5	15 419.5	14 631.7
	60 030.4	51 873.8	51 353.9	53 246.7	50 416.9
Closing Inventory	39 138.1	37 335.4	37 827.2	35 785.2	35 848.8
	20 892.3	14 538.4	13 526.7	17 461.5	14 568.1
Further processing	16 504.4	11 605.9	10 949.3	14 335.9	11 102.0
Flared / Waste	4 387.9	2 932.5	2 577.4	3 125.6	3 466.1
Metering Difference	0.0	0.0	0.0	0.0	0.0
	20 892.3	14 538.4	13 526.7	17 461.5	14 568.1

## Syncrude

### Diluent Naphtha

Opening Inventory	61 016	61 559	60 831	57 149	54 504
Production	11 176	8 209	4 979	15 395	9 576
	72 192	69 768	65 810	72 544	64 080
Closing Inventory	61 559	60 831	57 149	54 504	54 884
	10 633	8 937	8 661	18 040	9 196
Further processing	5 939.0	4 734.0	4 809.0	11 191.0	2 584.0
Flared / Waste	4 694	4 204	3 852	6 849	6 613
Metering Difference	0	( 1)	0	0	( 1)
	10 633	8 937	8 661	18 040	9 196

June	July	August	September	October	November	December	1995
35 848.8	33 329.2	41 363.0	35 770.0	35 163.7	42 118.7	42 246.0	46 116.6
10 746.4	21 570.8	20 034.1	17 017.7	24 241.8	16 111.0	15 574.0	196 015.0
46 595.2	54 900.0	61 397.1	52 787.7	59 405.5	58 229.7	57 820.0	242 131.6
33 329.2	41 363.0	35 770.0	35 163.7	42 118.7	42 246.0	39 290.0	39 290.0
13 266.0	13 537.0	25 627.1	17 624.0	17 286.8	15 983.7	18 530.0	202 841.6
9 724.9	9 209.5	22 611.2	14 259.0	13 940.2	12 078.0	15 324.0	161 644.3
3 541.1	4 327.5	3 015.9	3 365.0	3 346.6	3 906.0	3 206.0	41 197.6
0.0	0.0	0.0	0.0	0.0	( 0.3)	0.0	( 0.3)
13 266.0	13 537.0	25 627.1	17 624.0	17 286.8	15 983.7	18 530.0	202 841.6
54 884	50 216	53 142	65 367	71 393	68 050	66 218	61 016
10 337	18 102	25 948	21 488	12 213	13 734	12 245	163 402
65 221	68 318	79 090	86 855	83 606	81 784	78 463	224 418
50 216	53 142	65 367	71 393	68 050	66 218	64 122	64 122
15 005	15 176	13 723	15 462	15 556	15 566	14 341	160 296
7 341.0	10 238.0	7 948.0	10 478.0	9 693.0	9 231.0	6 260.0	90 446.0
7 664	4 938	5 775	4 984	5 863	6 335	8 081	69 852
0	0	0	0	0	0	0	( 2)
15 005	15 176	13 723	15 462	15 556	15 566	14 341	160 296

**Coke (tonnes)**

	January	February	March	April	May
<b>Suncor</b>					
Opening Inventory	3 966 605	4 004 836	4 050 393	4 100 234	4 158 825
Production	108 226	99 758	110 915	107 300	106 353
	4 074 831	4 104 594	4 161 308	4 207 534	4 265 178
Closing Inventory	4 004 836	4 050 393	4 100 234	4 158 825	3 974 918
	69 995	54 201	61 074	48 709	290 260
Site Fuel / Use	69 995	54 201	61 074	48 709	56 132
Metering Difference	0	0	0	0	234 128
	69 995	54 201	61 074	48 709	290 260

**Syncrude**

Opening Inventory	15 508 544	15 639 030	15 735 600	15 827 045	15 968 757
Production	182 117	134 782	127 629	197 785	204 900
	15 690 661	15 773 812	15 863 229	16 024 830	16 173 657
Closing Inventory	15 639 030	15 735 600	15 827 045	15 968 757	16 115 567
	51 631	38 212	36 184	56 073	58 090
Site Fuel / Use	51 631	38 211	36 183	56 073	58 090
Metering Difference	0	1	1	0	0
	51 631	38 212	36 184	56 073	58 090



June	July	August	September	October	November	December	1995
3 974 918	4 024 038	4 071 846	4 123 121	4 158 080	4 154 158	4 149 357	3 966 605
104 580	108 392	107 146	100 639	111 061	99 848	110 466	1 274 684
4 079 498	4 132 430	4 178 992	4 223 760	4 269 141	4 254 006	4 259 823	5 241 289
4 024 038	4 071 846	4 123 121	4 158 080	4 154 158	4 149 357	4 190 313	4 190 313
55 460	60 584	55 871	65 680	114 983	104 649	69 510	1 050 976
55 461	60 584	55 871	65 679	114 984	104 649	69 510	816 849
( 1)	0	0	1	( 1)	0	0	234 127
55 460	60 584	55 871	65 680	114 983	104 649	69 510	1 050 976

16 115 567	16 252 224	16 390 534	16 525 667	16 656 967	16 797 059	16 930 868	15 508 544
190 730	193 038	188 603	183 253	195 524	186 755	179 964	2 165 080
16 306 297	16 445 262	16 579 137	16 708 920	16 852 491	16 983 814	17 110 832	17 673 624
16 252 224	16 390 534	16 525 667	16 656 967	16 797 059	16 930 868	17 059 811	17 059 811
54 073	54 728	53 470	51 953	55 432	52 946	51 021	613 813
54 073	54 727	53 470	51 953	55 432	52 946	51 021	613 810
0	1	0	0	0	0	0	3
54 073	54 728	53 470	51 953	55 432	52 946	51 021	613 813

**Sulphur (tonnes)**

	January	February	March	April	May
<b>Suncor</b>					
Opening Inventory	6 075	4 947	316	316	316
Production	15 338	13 772	14 505	13 901	13 961
	21 412	18 719	14 821	14 217	14 277
Closing Inventory	4 947	316	316	316	1 466
	16 465	18 403	14 505	13 901	12 811
Flared / Waste	291	273	307	261	220
Metering Difference	1 059	350	114	258	( 7)
Deliveries	15 116	17 780	14 084	13 383	12 598
	16 465	18 403	14 505	13 901	12 811

**Syncrude**

Opening Inventory	488 317	530 817	563 317	592 117	637 117
Production	43 115	32 898	29 219	45 768	43 667
	531 432	563 715	592 536	637 885	680 784
Closing Inventory	530 817	563 317	592 117	637 117	680 017
	615	398	419	768	767
Deliveries	0	0	0	0	0
Flared or wasted	615	398	419	768	767
Metering Difference	0	0	0	0	0
	615	398	419	768	767

June	July	August	September	October	November	December	1995
1 466	4 394	4 394	4 394	4 394	4 394	4 394	6 075
14 257	14 154	13 598	13 185	14 041	13 983	15 524	170 218
15 723	18 548	17 992	17 579	18 435	18 377	19 918	176 293
4 394	4 394	4 394	4 394	4 394	4 394	4 394	4 394
11 329	14 154	13 598	13 185	14 041	13 983	15 524	171 899
221	226	214	193	212	230	246	2 892
( 344)	( 143)	235	248	232	494	562	3 058
11 452	14 071	13 149	12 744	13 597	13 259	14 716	165 949
11 329	14 154	13 598	13 185	14 041	13 983	15 524	171 899

680 017	724 817	770 263	813 871	857 843	901 770	944 887	488 317
45 539	46 036	44 141	44 854	45 419	44 883	42 729	508 268
725 556	770 853	814 404	858 725	903 262	946 653	987 616	996 585
724 817	770 263	813 871	857 843	901 770	944 887	986 216	986 216
739	590	533	882	1 492	1 766	1 400	10 369
0	0	0	0	697	737	522	1 956
739	590	532	882	795	1 029	879	8 413
0	0	1	0	0	0	( 1)	0
739	590	533	882	1 492	1 766	1 400	10 369

**Bitumen (cubic metres)**

	January	February	March	April	May
<b>Suncor</b>					
Opening Inventory	31 861.1	33 557.4	35 332.9	28 619.0	31 210.1
Production	465 023.9	428 852.9	468 128.2	461 955.8	458 351.9
	496 885.0	462 410.3	503 461.1	490 574.8	489 562.0
Closing Inventory	33 557.4	35 332.9	28 619.0	31 210.1	34 250.5
	463 327.6	427 077.4	474 842.1	459 364.7	455 311.5
Further Processing	463 327.6	427 077.4	474 842.1	459 364.7	455 311.5
Metering Difference	0.0	0.0	0.0	0.0	0.0
	463 327.6	427 077.4	474 842.1	459 364.7	455 311.5

**Syncrude**

Opening Inventory	410 765	339 930	330 138	292 547	253 792
Production	1 115 383	879 299	814 002	1 231 336	1 226 514
From Other	76	76	147	0	536
	1 526 224	1 219 305	1 144 287	1 523 883	1 480 842
Closing Inventory	339 930	330 138	292 547	253 792	250 742
	1 186 294	889 167	851 740	1 270 091	1 230 100
Further Processing	1 186 294	889 166	851 740	1 270 091	1 230 100
Metering Difference	0	1	0	0	0
	1 186 294	889 167	851 740	1 270 091	1 230 100

Note: Bitumen production includes tertiary recovery from tailing ponds.



June	July	August	September	October	November	December	1995
34 250.5	33 817.3	33 936.5	25 502.2	29 711.6	40 048.2	41 814.0	31 861.1
447 288.9	464 161.4	450 268.7	435 055.9	485 803.3	429 229.0	468 712.0	5 462 831.9
481 539.4	497 978.7	484 205.2	460 558.1	515 514.9	469 277.2	510 526.0	5 494 693.0
33 817.3	33 936.5	25 502.2	29 711.6	40 048.2	41 814.0	37 609.0	37 609.0
447 722.1	464 042.2	458 703.0	430 846.5	475 466.7	427 463.2	472 917.0	5 457 084.0
447 722.1	464 042.2	458 703.0	430 846.5	475 466.7	427 463.0	472 917.0	5 457 083.8
0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2
447 722.1	464 042.2	458 703.0	430 846.5	475 466.7	427 463.2	472 917.0	5 457 084.0
250 742	232 255	210 799	216 786	217 785	229 662	193 241	410 765
1 197 218	1 262 640	1 261 374	1 212 109	1 258 085	1 190 155	1 245 388	13 893 503
1 443	0	83	4 930	6 118	6 248	5 316	24 973
1 449 403	1 494 895	1 472 256	1 433 825	1 481 988	1 426 065	1 443 945	14 329 241
232 255	210 799	216 786	217 785	229 662	193 241	266 011	266 011
1 217 148	1 284 096	1 255 470	1 216 040	1 252 326	1 232 824	1 177 934	14 063 230
1 217 148	1 284 096	1 255 470	1 216 040	1 252 327	1 232 823	1 177 934	14 063 229
0	0	0	0	( 1)	1	0	1
1 217 148	1 284 096	1 255 470	1 216 040	1 252 326	1 232 824	1 177 934	14 063 230

**Distillate (cubic meters)**

	January	February	March	April	May
<b>Suncor</b>					
Opening Inventory	48 043.4	51 295.9	48 190.1	57 069.8	42 550.7
Production	406 327.1	372 115.2	412 720.5	410 675.9	415 194.1
	454 370.5	423 411.1	460 910.6	467 745.7	457 744.8
Closing Inventory	51 295.9	48 190.1	57 069.8	42 550.7	40 281.0
	403 074.6	375 221.0	403 840.8	425 195.0	417 463.8
Further Processing	346 050.0	330 492.4	345 440.0	355 587.2	353 010.7
Site Fuel / Use	13 913.8	12 735.7	14 018.5	15 419.5	14 631.7
Flared Waste	0.0	0.0	0.0	0.0	8 947.3
Metering Difference	0.0	0.0	0.1	0.0	0.0
Deliveries	43 110.8	31 992.9	44 382.2	54 188.3	40 874.1
	403 074.6	375 221.0	403 840.8	425 195.0	417 463.8

**Syncrude**

Opening Inventory	75 377	63 187	53 176	74 615	71 182
Production	992 383	747 261	718 499	1 062 014	1 013 292
	1 067 760	810 448	771 675	1 136 629	1 084 474
Closing Inventory	63 187	53 176	74 615	71 182	144 844
	1 004 573	757 272	697 060	1 065 447	939 630
Further Processing	993 398	749 062	692 082	1 052 263	938 832
Site Fuel / Use	11 176	8 209	4 979	13 183	799
Flared Waste	0	0	0	0	0
Metering Difference	( 1)	1	( 1)	1	( 1)
Deliveries	0	0	0	0	0
	1 004 573	757 272	697 060	1 065 447	939 630

June	July	August	September	October	November	December	1995
40 281.0	33 082.5	27 576.5	47 236.1	73 634.3	88 804.5	72 021.0	48 043.4
392 409.9	410 009.5	418 906.0	389 298.3	428 047.4	394 937.2	431 271.6	4 881 912.7
432 690.9	443 092.0	446 482.5	436 534.4	501 681.7	483 741.7	503 292.6	4 929 956.1
33 082.5	27 576.5	47 236.1	73 634.3	88 804.5	72 021.0	53 090.2	53 090.2
399 608.4	415 515.5	399 246.4	362 900.1	412 877.2	411 720.7	450 202.4	4 876 865.9
364 588.7	359 415.2	339 864.8	327 629.9	340 674.1	353 503.6	378 824.5	4 195 081.1
10 746.4	21 570.8	20 034.1	17 017.7	24 241.9	16 110.8	15 574.2	196 015.1
1.5	0.0	221.7	0.0	0.0	0.0	0.0	9 170.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
24 271.8	34 529.5	39 125.8	18 252.5	47 961.2	42 106.3	55 803.7	476 599.1
399 608.4	415 515.5	399 246.4	362 900.1	412 877.2	411 720.7	450 202.4	4 876 865.9
144 844	58 325	88 568	72 629	62 202	76 124	69 196	75 377
1 015 775	1 085 084	1 059 434	1 029 714	1 053 174	1 031 446	988 516	11 796 592
1 160 619	1 143 409	1 148 002	1 102 343	1 115 376	1 107 570	1 057 712	11 871 969
58 325	88 568	72 629	62 202	76 124	69 196	65 127	65 127
1 102 294	1 054 841	1 075 373	1 040 141	1 039 252	1 038 374	992 585	11 806 842
1 093 502	1 038 689	1 056 576	1 023 774	1 027 676	1 024 640	982 119	11 672 613
8 792	16 152	18 796	16 367	11 577	13 734	10 465	134 229
0	0	0	0	0	0	0	0
0	0	1	0	( 1)	0	1	0
0	0	0	0	0	0	0	0
1 102 294	1 054 841	1 075 373	1 040 141	1 039 252	1 038 374	992 585	11 806 842





**Historical**  
**1967-1995**

## Oil Sands Mining and Processing

1967-1986

1987

1988

1989

### Suncor

Mined (Tonnes)	579 196 434	32 748 835	38 286 734	39 980 603
(Grade)	11.53	11.87	11.62	12.02
Processed (Tonnes)	579 196 292	32 748 805	38 286 734	39 980 603
(Grade)	11.53	11.87	11.62	12.02

### Syncrude

Mined (Tonnes)	608 505 668	103 843 559	110 228 489	110 355 250
(Grade)	11.02	10.57	10.54	10.44
Processed (Tonnes)	609 888 320	104 674 905	110 139 733	108 796 928
(Grade)	11.01	10.59	10.54	10.46

1990

1991

1992

1993

1994

1995

35 531 087	40 926 316	40 227 053	39 445 067	47 984 999	49 712 766
11.97	11.89	11.93	12.20	11.70	12.02%

35 527 560	40 926 230	40 199 552	39 445 067	47 984 999	49 712 766
11.97	11.89	11.93	12.20	11.70	12.02%

116 230 884	124 726 418	125 040 162	131 178 516	140 056 765	147 941 367
10.40	10.52	10.84	10.77	10.62	10.23%

118 278 033	124 399 359	124 702 480	130 564 438	140 212 227	149 051 434
10.38	10.51	10.84	10.77	10.62	10.44%

## Synthetic Crude Oil (cubic metres)

	1967-1986	1987	1988	1989
<b>Suncor</b>				
Opening Inventory	0.0	80 692.9	44 125.9	84 125.5
Production	44 362 083.3	2 503 449.7	2 971 639.0	3 343 614.5
From Other	0.0	0.0	0.0	0.0
	44 362 083.3	2 584 142.6	3 015 764.9	3 427 740.0
Closing Inventory	80 692.9	44 125.9	84 125.5	79 374.9
	44 281 390.4	2 540 016.7	2 931 639.4	3 348 365.1
Site Fuel / Use	554 030.6	28 685.6	40 439.3	41 717.6
Flared / Waste	3 594.4	0.0	0.0	0.0
Alberta Fuel	0.0	0.0	0.0	0.0
Metering Difference	73 218.7	3 492.0	( 96.5)	2 625.3
Deliveries	43 650 546.7	2 507 839.1	2 891 296.6	3 304 022.2
	44 281 390.4	2 540 016.7	2 931 639.4	3 348 365.1

Note: 1995 opening inventory and 1994 closing inventory differ due to a change in the method of reporting

## Syncrude

Opening Inventory	0.0	18 975	16 735	25 125
Production	44 056 084.4	7 917 836	8 718 705	8 630 797
	44 056 084.4	7 936 811	8 735 440	8 655 922
Closing Inventory	18 975.0	16 735	25 125	24 205
	44 037 109.4	7 920 076	8 710 315	8 631 717
Site Fuel / Use	0.0	0	34 564	48 964
Flared / Waste	21 283.8	0	0	0
Metering Difference	( 7 479.6)	3	( 15)	2
Deliveries	44 023 305.2	7 920 073	8 675 766	8 582 751
	44 037 109.4	7 920 076	8 710 315	8 631 717

Note: Syncrude production does not include diesel production ( SCO site fuel uses ) till 1988.



1990	1991	1992	1993	1994	1995
79 374.9	125 002.3	69 263.6	75 030.2	74 194.0	86 800.7
3 043 906.1	3 551 866.6	3 369 410.0	3 326 011.6	3 578 834.2	3 966 955.5
115.4	42.9	0.0	0.0	0.0	0.0
3 123 396.4	3 676 911.8	3 438 673.6	3 401 041.8	3 653 028.2	4 053 756.2
125 002.3	69 263.6	75 030.2	74 194.0	83 609.9	102 412.6
2 998 394.1	3 607 648.2	3 363 643.4	3 326 847.8	3 569 418.3	3 951 343.6
46 796.9	57 970.9	53 172.6	47 791.8	48 514.3	40 823.2
0.0	0.0	1 235.2	0.0	0.0	0.0
0.0	0.0	217 591.6	256 987.8	477 786.6	564 678.9
1 164.7	766.0	2 185.8	3 209.2	1 181.5	( 733.1)
2 950 432.5	3 548 911.3	3 089 458.2	3 018 859.0	3 041 935.9	3 346 574.6
2 998 394.1	3 607 648.2	3 363 643.4	3 326 847.8	3 569 418.3	3 951 343.6
24 205	20 278	45 770	15 956	16 623	18 864
9 083 517	9 674 946	10 445 017	10 735 857	11 173 195	11 884 563
9 107 722	9 695 224	10 490 787	10 751 813	11 189 818	11 903 427
20 278	45 770	15 956	16 623	18 864	56 243
9 087 444	9 649 454	10 474 831	10 735 190	11 170 954	11 847 184
70 727	70 833	75 718	85 147	80 799	104 443
0	0	0	0	0	0
9	( 47)	52	( 1)	( 4)	( 66)
9 016 708	9 578 668	10 399 061	10 650 044	11 090 159	11 742 807
9 087 444	9 649 454	10 474 831	10 735 190	11 170 954	11 847 184

## Other Hydrocarbons (cubic metres)

	1967-1986	1987	1988	1989
<b>Suncor</b>				
<b>Heavy Fuel Oil and Diluent Naphtha</b>				
Opening Inventory	0.0	1 946.8	1 648.9	1 990.0
Production	598 902.6	10 618.3	9 586.8	51 409.2
	598 902.6	12 565.1	11 235.7	53 399.2
Closing Inventory	1 946.8	1 648.9	1 990.0	45 323.0
	596 955.8	10 916.2	9 245.7	(*) 8 076.2
Further processing				
Site Fuel / Use	602 467.5	10 916.1	13 049.8	0.0
Flared / Waste	6 024.2	0.0	0.0	54 209.5
Metering Difference	( 11 535.9)	0.1	( 3 804.1)	0.0
	596 955.8	10 916.2	9 245.7	(*) 54 209.5

## Syncrude

### Diluent Naphtha

Opening Inventory	68 232.4	54 371	58 712	66 761
Production	1 410 903.8	71 022	70 089	53 820
	1 479 136.2	125 393	128 801	120 581
Closing Inventory	54 371.0	58 712	66 761	57 483
	(*) 1 424 765.2	66 681	62 040	63 098
Further Processing	598 896.7	0	0	0
Site Fuel / Use	19 234.0	0	0	0
Flared / Waste	783 145.0	66 561	61 645	63 099
Metering Difference	3 236.5	120	395	( 1)
Deliveries	21 480.0	0	0	0
	(*) 1 425 992.2	66 681	62 040	63 098

Note: (\*) Totals differ due to the change in method of reporting.

1990	1991	1992	1993	1994	1995
------	------	------	------	------	------

45 323.0	46 644.8	47 568.8	45 602.4	45 556.8	46 116.6
25 214.4	49 612.6	45 345.3	30 290.7	26 056.5	196 015.0
70 537.4	96 257.4	92 914.1	75 893.1	71 613.3	242 131.6
46 644.8	47 568.8	45 602.4	45 556.8	46 116.6	39 290.0
23 892.6	48 688.6	47 311.7	30 336.3	25 496.7	202 841.6

161 644.3

0.0	0.0	0.0	0.0	0.0	0.0
-----	-----	-----	-----	-----	-----

23 892.7	48 688.7	47 311.6	30 340.4	25 496.7	41 197.6
----------	----------	----------	----------	----------	----------

( 0.1)	( 0.1)	0.1	( 4.1)	0.0	( 0.3)
--------	--------	-----	--------	-----	--------

23 892.6	48 688.6	47 311.7	30 336.3	25 496.7	202 841.6
----------	----------	----------	----------	----------	-----------

57 483	65 184	69 251	69 858	62 467	61 016
69 839	86 075	63 166	40 214	49 343	163 402
127 322	151 259	132 417	110 072	111 810	224 418
65 184	69 251	69 858	62 467	61 016	64 122
62 138	82 008	62 559	47 605	50 794	160 296

0	0	0	0	0	90 446
---	---	---	---	---	--------

0	0	0	0	0	0
---	---	---	---	---	---

62 138	82 009	62 558	47 605	50 794	69 852
--------	--------	--------	--------	--------	--------

0	( 1)	1	0	0	( 2)
---	------	---	---	---	------

0	0	0	0	0	0
---	---	---	---	---	---

62 138	82 008	62 559	47 605	50 794	160 296
--------	--------	--------	--------	--------	---------

**Coke (tonnes)**

	1967-1986	1987	1988	1989
<b>Suncor</b>				
Opening Inventory	0	2 091 957	2 261 336	2 497 965
Production	13 540 188	806 824	930 479	1 028 237
	13 540 188	2 898 781	3 191 815	3 526 202
Closing Inventory	2 091 957	2 261 336	2 497 965	2 818 449
	11 448 231	637 445	693 850	707 753
Site Fuel / Use	12 107 648	631 893	705 381	698 849
Flared / Waste	53 175	0	0	0
Metering Difference	( 952 065)	( 2)	( 18 412)	8 904
Deliveries	239 473	5 554	6 881	0
	11 448 231	637 445	693 850	707 753

Note: 1992 closing and 1993 opening inventory differ due to adjustment by survey department.

**Syncrude**

Opening Inventory	2 572	5 559 115	6 504 156	7 529 243
Production	5 558 374	945 041	1 025 087	903 760
	5 560 946	6 504 156	7 529 243	8 433 003
Closing Inventory	5 559 115	6 504 156	7 529 243	8 433 003
	1 831	0	0	0
Site Fuel / Use	4 780	0	0	0
Metering Difference	( 3 010)	0	0	0
Deliveries	61	0	0	0
	1 831	0	0	0



1990

1991

1992

1993

1994

1995

2 818 449	3 051 900	3 383 324	3 276 713	3 563 445	3 966 605
903 154	1 018 677	995 631	1 027 507	1 194 294	1 274 684
3 721 603	4 070 577	4 378 955	4 304 220	4 757 739	5 241 289
3 051 900	3 383 324	3 286 630	3 563 445	3 966 606	4 190 313
669 703	687 253	1 092 325	740 775	791 133	1 050 976

654 335	687 253	716 876	693 460	791 131	816 849
0	0	0	0	0	0
15 368	0	375 449	47 315	2	234 127
0	0	0	0	0	0
669 703	687 253	1 092 325	740 775	791 133	1 050 976

8 433 003	9 738 202	11 107 805	12 563 020	14 016 177	15 508 544
1 305 199	1 369 603	1 455 215	1 453 157	1 492 367	2 165 080
9 738 202	11 107 805	12 563 020	14 016 177	15 508 544	17 673 624
9 738 202	11 107 805	12 563 020	14 016 177	15 508 544	17 059 811
0	0	0	0	0	613 813

0	0	0	0	0	613 810
0	0	0	0	0	3
0	0	0	0	0	0
0	0	0	0	0	613 813

**Sulphur (tonnes)**

	1967-1986	1987	1988	1989
<b>Suncor</b>				
Opening Inventory	0	184 528	185 794	159 200
Production	1 585 196	99 228	116 440	130 545
	1 585 196	283 756	302 234	289 745
Closing Inventory	184 528	185 794	159 200	145 177
	1 400 668	97 962	143 034	144 568
Site Fuel / Use	1 355	0	0	0
Flared / Waste	238 341	6 164	8 647	9 021
Metering Difference	( 141 552)	0	24 348	( 19 096)
Deliveries	1 302 524	90 679	110 039	154 643
To Syncrude	0	1 119	0	0
	1 400 668	97 962	143 034	144 568

Note: 1995 opening inventory and 1994 closing inventory differ due to a change in the method of reporting

**Syncrude**

Opening Inventory	0	39 409	1 796	1 545
Production	1 764 148	326 783	368 401	360 300
From Suncor	0	1 119	0	0
	1 764 148	367 311	370 197	361 845
Closing Inventory	39 409	1 796	1 545	1 410
	1 724 739	365 515	368 652	360 435
Flared / Waste	( 411)	12	0	0
Metering Difference	( 12 963)	30 465	13	0
Deliveries	1 738 113	335 038	368 639	360 435
	1 724 739	365 515	368 652	360 435

1990	1991	1992	1993	1994	1995
145 177	126 260	126 143	126 910	0	6 075
118 556	142 255	131 142	137 383	152 403	170 218
263 733	268 515	257 285	264 293	152 403	176 293
126 260	126 143	126 910	0	282	4 394
137 473	142 372	130 375	264 293	152 121	171 899
0	0	0	0	0	0
5 770	5 480	5 150	5 760	6 902	2 892
( 1 461)	0	( 1)	130 954	1	3 058
133 164	136 892	125 226	127 579	145 218	165 949
0	0	0	0	0	0
137 473	142 372	130 375	264 293	152 121	171 899
1 410	9 276	9 713	10 863	10 790	488 317
382 564	407 751	448 035	462 083	478 092	508 268
0	0	0	0	0	0
383 974	417 027	457 748	472 946	488 882	996 585
9 276	9 713	10 863	10 790	488 317	986 216
374 698	407 314	446 885	462 156	565	10 369
0	0	0	0	0	8 413
0	0	0	9 111	0	0
374 698	407 314	446 885	453 045	565	1 956
374 698	407 314	446 885	462 156	565	10 369

**Bitumen (cubic metres)**

	1967-1986	1987	1988	1989
<b>Suncor</b>				
Opening Inventory	0.0	49 245.6	44 237.0	32 386.7
Production	62 515 085.2	3 394 991.3	3 903 379.8	4 389 179.0
From Syncrude	210 551.6	47 258.0	76 523.2	0.0
From Other	0.0	0.0	0.0	0.0
	62 725 636.8	3 491 494.9	4 024 140.0	4 421 565.7
Closing Inventory	49 245.6	44 237.0	32 386.7	21 578.9
	62 676 391.2	3 447 257.9	3 991 753.3	4 399 986.8
Further Processing	62 642 450.6	3 451 933.6	3 984 533.2	4 399 986.8
Flared / Waste	0.0	0.0	7 219.8	0.0
Metering Difference	29 834.3	( 4 675.7)	0.3	0.0
Deliveries	4 106.3	0.0	0.0	0.0
	62 676 391.2	3 447 257.9	3 991 753.3	4 399 986.8

**Syncrude**

Opening Inventory	0.0	341 747	513 509	233 159
Production	56 940 462.3	10 014 284	10 559 758	10 318 810
From Other	0.0	0	0	0
	56 940 462.3	10 356 031	11 073 267	10 551 969
Closing Inventory	341 747.0	513 509	233 159	230 152
(*)	56 598 715.3	9 842 522	10 840 108	10 321 817
Further Processing	56 422 575.5	9 795 262	10 763 860	10 316 740
Site Fuel / Use	2 508.7	0	0	0
Flared / Waste	19 595.0	0	0	0
Metering Difference	( 35 109.9)	2	( 392)	3 974
To Suncor	210 558.0	47 258	76 640	0
To Other	2 150.0	0	0	1 103
(*)	56 622 277.3	9 842 522	10 840 108	10 321 817

Note:(\*) Totals differ due to the change in method of reporting.



1990

1991

1992

1993

1994

1995

21 578.9

25 029.1

46 118.4

23 888.3

22 631.4

31 861.1

3 852 749.4

4 377 049.2

4 239 816.7

4 397 622.9

5 122 150.4

5 462 831.9

10 126.1

0.0

0.0

0.0

0.0

0.0

5 461.1

4 808.1

0.0

0.0

0.0

0.0

3 889 915.5

4 406 886.4

4 285 935.1

4 421 511.2

5 144 781.8

5 494 693.0

25 029.1

46 118.4

23 888.3

22 631.4

31 861.1

37 609.0

3 864 886.4

4 360 768.0

4 262 046.8

4 398 879.8

5 112 920.7

5 457 084.0

3 864 885.7

4 360 767.8

4 262 046.9

4 398 881.9

5 112 921.0

5 457 083.8

0.0

0.0

0.0

0.0

0.0

0.0

0.7

0.2

( 0.1)

( 2.1)

( 0.3)

0.2

0.0

0.0

0.0

0.0

0.0

0.0

3 864 886.4

4 360 768.0

4 262 046.8

4 398 879.8

5 112 920.7

5 457 084.0

230 152

240 935

455 245

434 502

386 842

410 765

11 042 713

11 766 717

12 266 315

12 669 460

13 320 169

13 893 503

0

44 493

180 735

64 742

68 134

24 973

11 272 865

12 052 145

12 902 295

13 168 704

13 775 145

14 329 241

240 935

455 245

434 502

386 842

410 765

266 011

11 031 930

11 596 900

12 467 793

12 781 862

13 364 380

14 063 230

11 021 804

11 592 873

12 467 799

12 781 861

13 364 380

14 063 229

0

0

0

0

0

0

0

1

0

0

0

0

0

4 026

( 6)

1

0

1

10 126

0

0

0

0

0

0

0

0

0

0

0

11 031 930

11 596 900

12 467 793

12 781 862

13 364 380

14 063 230



**Distillate (cubic metres)**

	1967-1986	1987	1988	1989
<b>Suncor</b>				
Opening Inventory	33 143.9	3 042.3	61 134.1	4 386.4
Production	48 591 691.8	2 805 057.1	3 111 532.0	3 616 598.9
From Other	4 340.4	0.0	0.0	0.0
	48 629 176.1	2 808 099.4	3 172 666.1	3 620 985.3
Closing Inventory	3 042.3	61 134.1	4 386.4	5 311.7
	48 626 133.8	2 746 965.3	3 168 279.7	3 615 673.6
Further Processing	46 279 454.2	2 650 786.2	3 119 922.2	3 573 098.7
Site Fuel / Use	123 267.2	2 655.7	10 915.7	13 479.0
Flared / Waste	137 629.4	2 635.4	7 964.4	9 505.2
Metering Difference	31 325.7	3 433.8	2 240.7	2 325.0
Deliveries	2 054 457.3	87 454.2	27 236.7	17 265.7
	48 626 133.8	2 746 965.3	3 168 279.7	3 615 673.6

**Syncrude**

Opening Inventory	120 310.8	75 219	49 632	121 244
Production	45 213 676.8	7 802 133	8 708 573	8 583 000
	45 333 987.6	7 877 352	8 758 205	8 704 244
Closing Inventory	75 219.0	49 632	121 244	132 129
(*)	45 258 768.6	7 827 720	8 636 961	8 572 115
Further Processing	45 205 926.1	7 821 229	8 607 031	8 439 261
Site Fuel / Use	( 5 352.0)	0	0	0
Flared / Waste	26 627.0	0	0	0
Diluent				
Carryover/Rerun	( 230 044.7)	0	0	0
Metering Difference	1 313.4	6 491	29 930	132 854
Deliveries	0.0	0	0	0
(*)	44 998 469.8	7 827 720	8 636 961	8 572 115

Note: (\*) Totals do not balance due to the change in method of reporting.

1990 1991 1992 1993 1994 1995

5 311.7	13 688.7	6 044.0	6 442.5	45 197.5	48 043.4
3 273 964.2	3 767 644.4	3 604 435.5	3 792 842.6	4 297 670.9	4 881 912.7
0.0	0.0	0.0	0.0	0.0	0.0
3 279 275.9	3 781 333.1	3 610 479.5	3 799 285.1	4 342 868.4	4 929 956.1
13 688.7	6 044.0	6 442.5	45 197.5	48 043.4	53 090.2
3 265 587.2	3 775 289.1	3 604 037.0	3 754 087.6	4 294 825.0	4 876 865.9

3 225 995.0	3 748 262.2	3 504 545.7	3 557 434.7	3 704 992.2	4 195 081.1
10 624.2	1 989.1	4 511.7	1 664.6	0.0	196 015.1
39.7	492.2	0.0	290.2	22 460.7	9 170.5
( 731.1)	1 077.1	2 848.4	494.9	( 403.0)	0.1
29 659.4	23 468.5	92 131.2	194 203.2	567 775.1	476 599.1
3 265 587.2	3 775 289.1	3 604 037.0	3 754 087.6	4 294 825.0	4 876 865.9

132 129	156 143	97 276	73 598	38 126	75 377
9 132 203	9 597 720	10 376 696	10 624 343	11 146 585	11 796 592
9 264 332	9 753 863	10 473 972	10 697 941	11 184 711	11 871 969
156 143	97 276	73 598	38 126	75 377	65 127
9 108 189	9 656 587	10 400 374	10 659 815	11 109 334	11 806 842

8 939 686	9 495 693	10 478 036	10 535 314	10 979 307	11 672 613
0	0	0	0	0	134 229
0	0	0	0	0	0
0	0	0	0	0	0
117 533	160 894	( 77 662)	124 501	130 027	0
50 970	0	0	0	0	0
9 108 189	9 656 587	10 400 374	10 659 815	11 109 334	11 806 842

[illegible]





University of Alberta Library



0 1620 0562 5460